

## CLAIMS:

1. A fuel cell comprising:

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a membrane electrode assembly having a solid polymer electrolyte membrane, an anode side diffusion electrode located at one side of the solid polymer electrolyte membrane, and a cathode side diffusion electrode located at the other side of the solid polymer electrolyte membrane, the anode side diffusion electrode comprising an anode electrode, and a first gas diffusion layer, the cathode side diffusion electrode comprising a cathode electrode, and a second gas diffusion layer;

a pair of separators which hold the membrane electrode assembly; and

a seal, provided onto the separators, which was liquid sealant at the time of application, wherein

the seal makes contact with at least one of end faces of the first gas diffusion layer and the second gas diffusion layer while the membrane electrode assembly is located between the separators.

2. A fuel cell according to claim 1, further comprising:

a projecting portion which extends from the solid polymer electrolyte membrane and which projects from the peripheries of the anode side diffusion electrode and the cathode side diffusion electrode, wherein

the seal makes contact with the projection.

3. A fuel cell according to claim 1, wherein the seal makes contact with both end faces of the first gas diffusion layer and the second gas diffusion layer.

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4. A fuel cell according to claim 1, wherein the seal makes contact with end faces of one of the anode electrode and the cathode electrode.

5. A fuel cell according to claim 1, wherein the seal is provided in grooves formed in the separator.

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